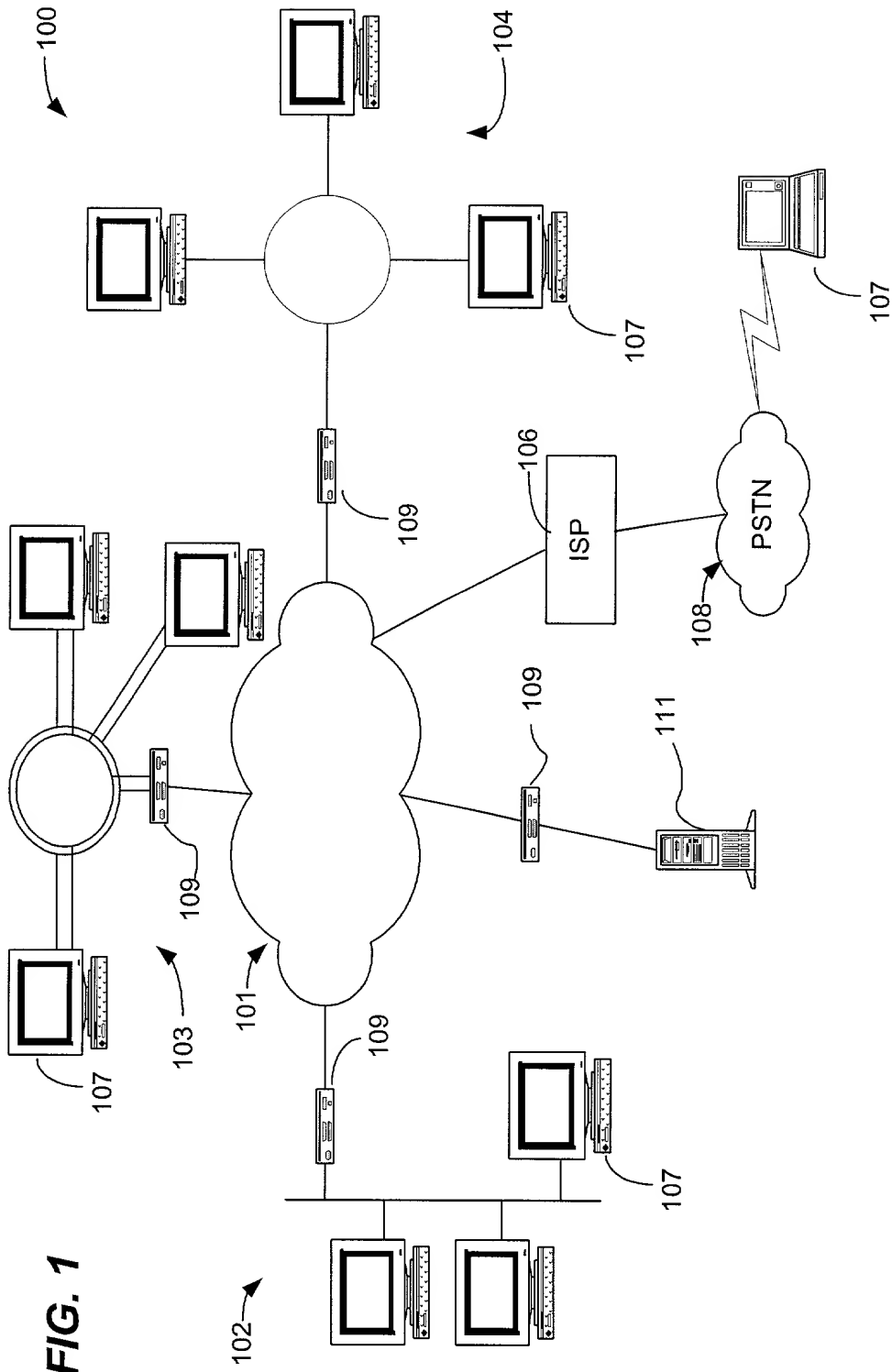


FIG. 1 is a block diagram of a network system 100. The system 100 includes a central cloud 101 connected to various components. On the left, a group of desktop computers 107 is connected to a switch 109, which is connected to the cloud 101. On the right, another group of desktop computers 107 is connected to a switch 109, which is connected to the cloud 101. The cloud 101 is also connected to an ISP 106, which is connected to a PSTN 108. A mobile phone 107 is connected to the PSTN 108. A server 111 is connected to the cloud 101 via a switch 109. A router 109 is also connected to the cloud 101. The system 100 is labeled 100 at the bottom left.

FIG. 1



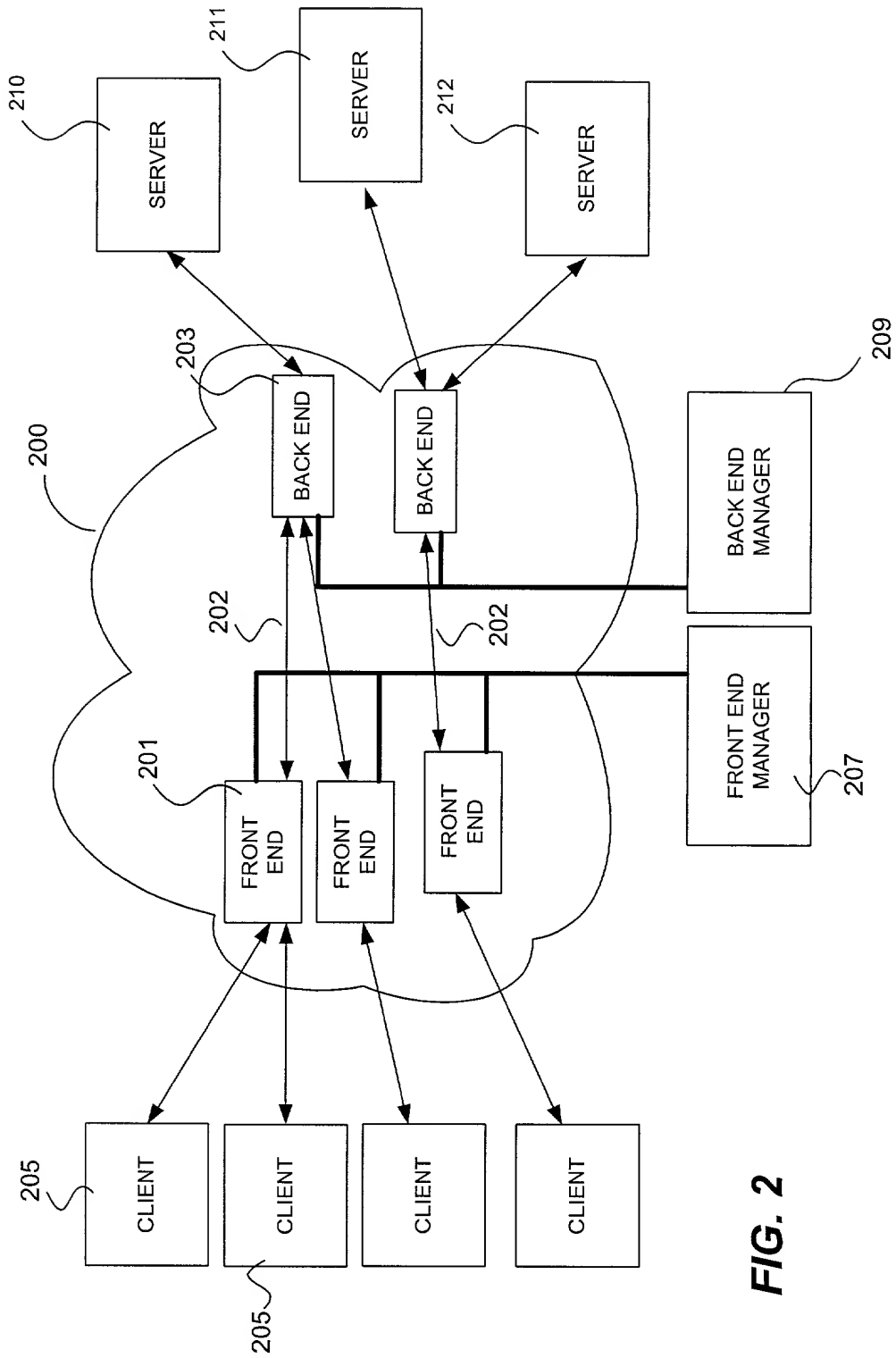


FIG. 2

FIG. 3 is a block diagram of a network system 205. The system 205 includes a client 305, a network 101, and a web server 210. The client 305 includes a browser 301, a TCP/IP stack 303, and a resolver 307. The network 101 includes DNS servers DNS_A 307, DNS_B 307, and DNS_C 307. The web server 210 is connected to the network 101. The browser 301 is connected to the TCP/IP stack 303, which is connected to the network 101. The resolver 307 is connected to the network 101. The network 101 is connected to the web server 210. The network 101 is also connected to DNS servers DNS_A 307, DNS_B 307, and DNS_C 307. DNS_C 307 is connected to a redirector 309.

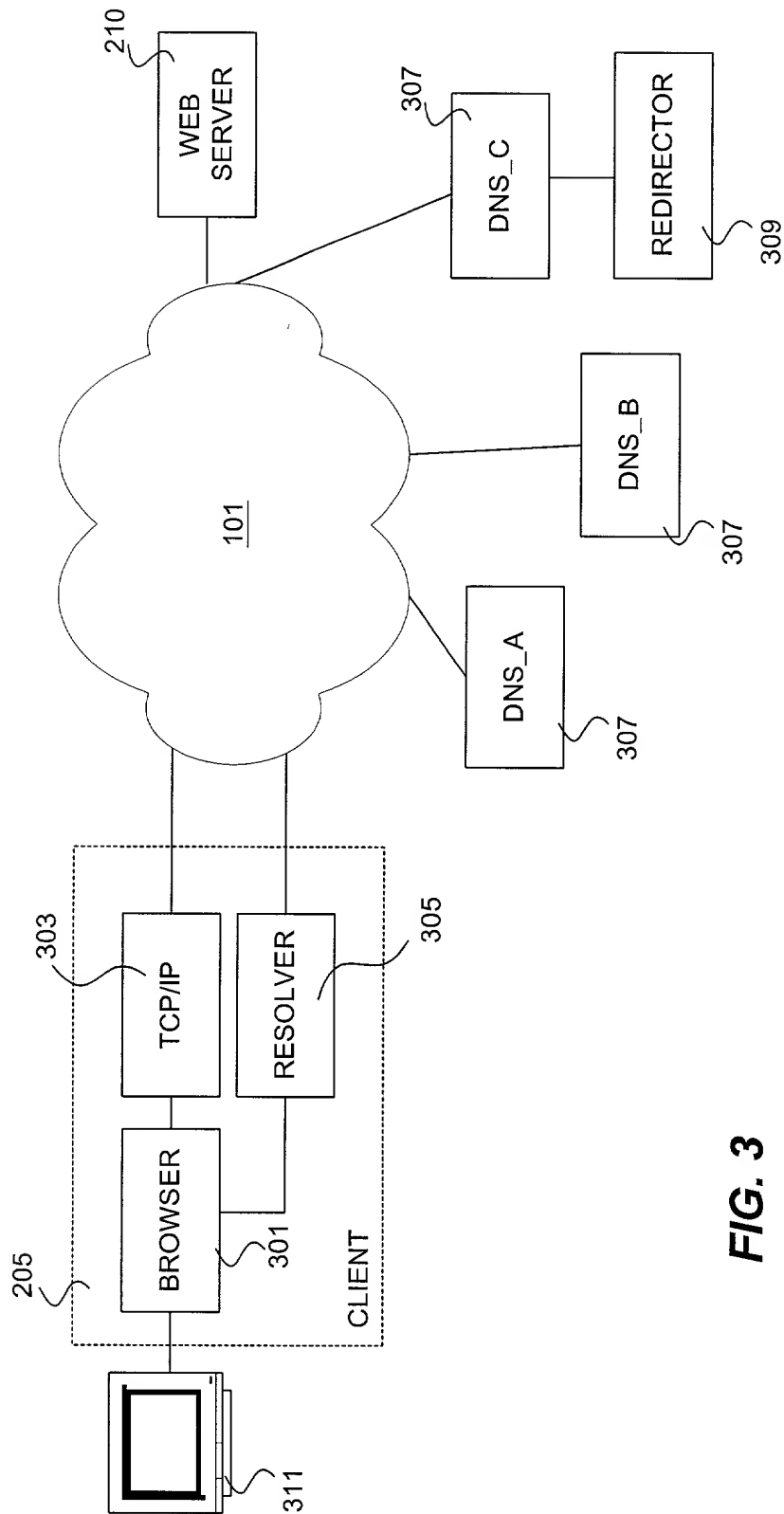


FIG. 3

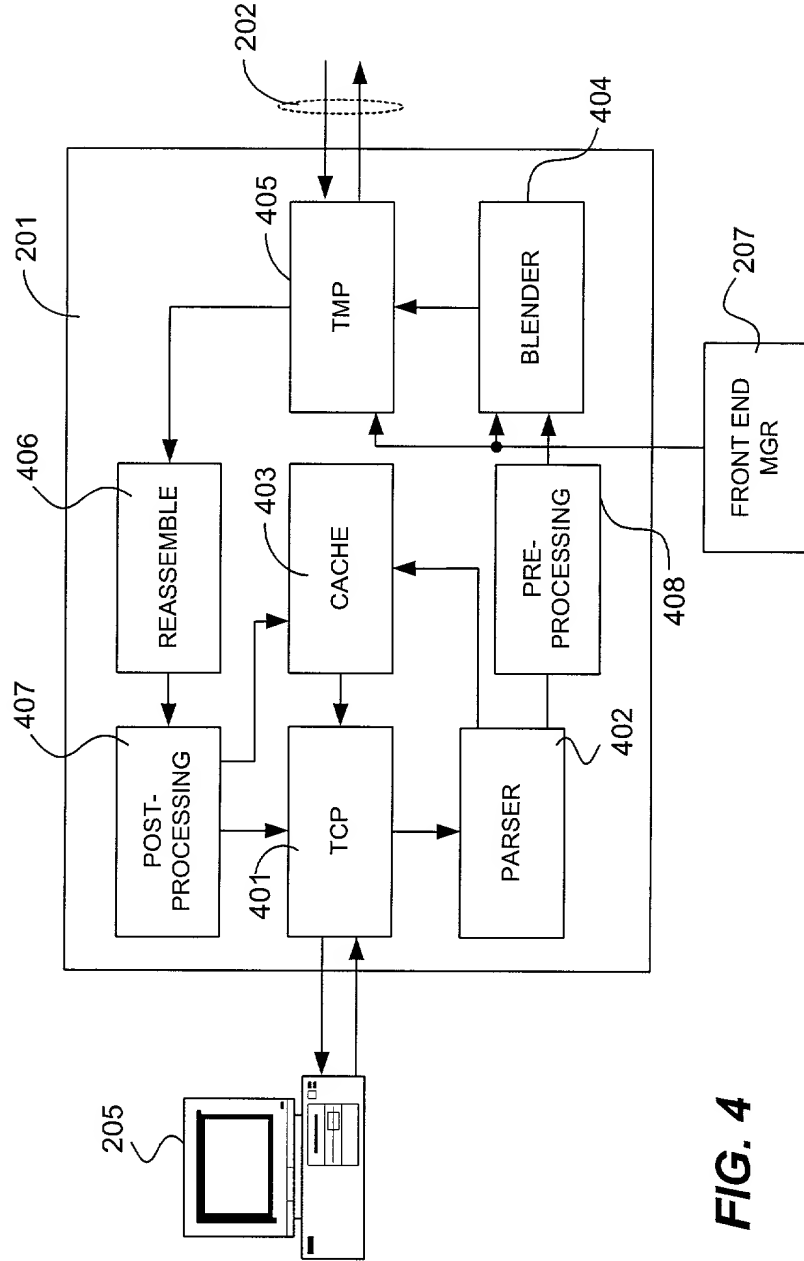


FIG. 4

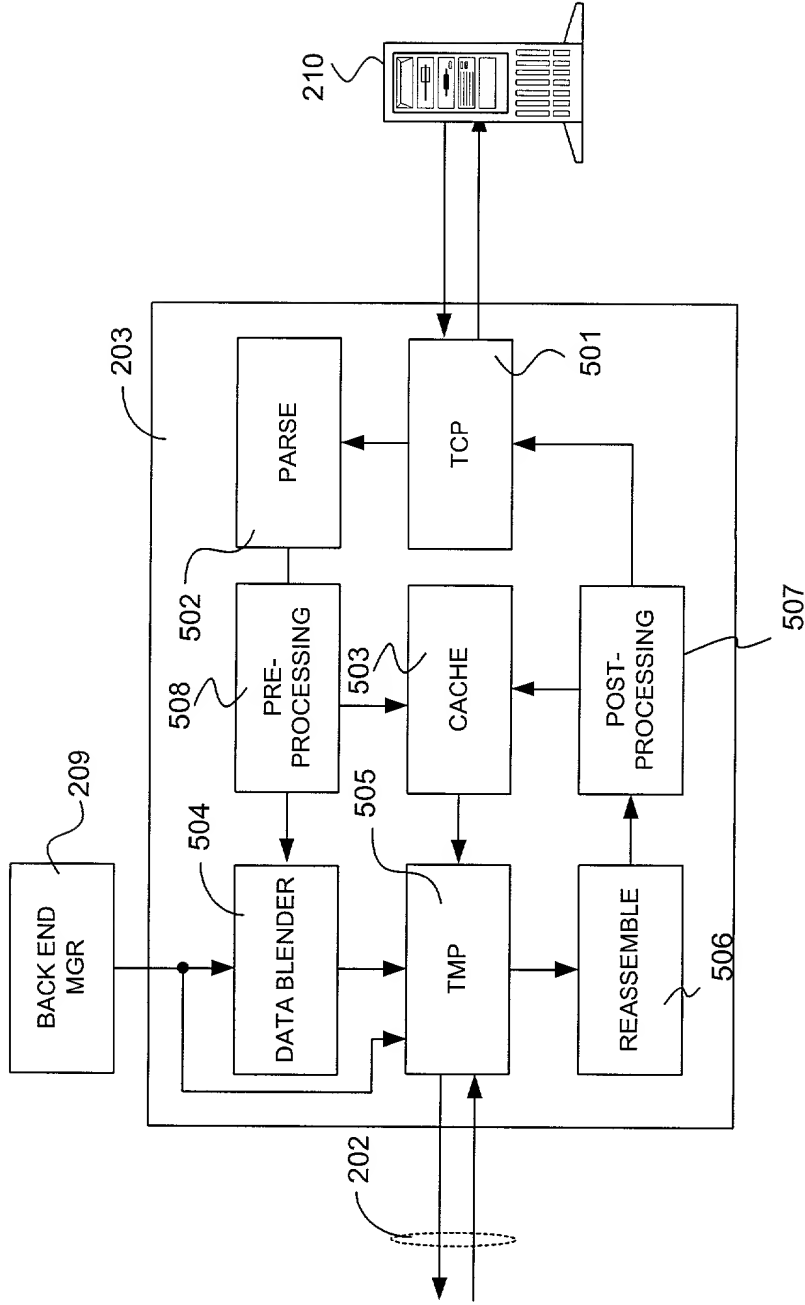


FIG. 5

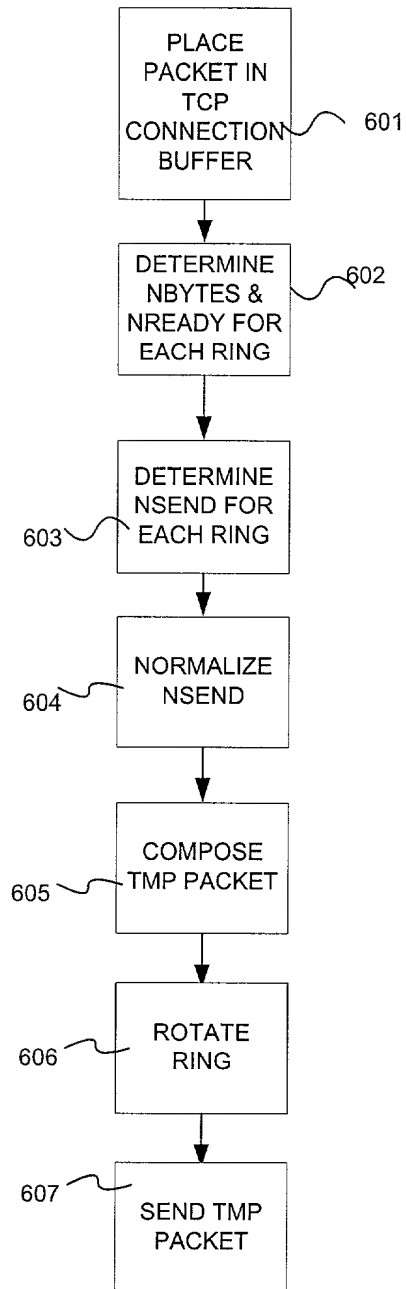
**FIG. 6**

FIG. 7 is a block diagram of a network device 700. The network device 700 includes a plurality of TCP sockets 701, a preprocess unit 408, a plurality of buffers 702, a blender 404, a QoS unit 708, a time-sync unit 707, and a transmission unit 704. The TCP sockets 701 are connected to the preprocess unit 408. The preprocess unit 408 is connected to the buffers 702. The buffers 702 are connected to the blender 404. The blender 404 is connected to the QoS unit 708 and the time-sync unit 707. The QoS unit 708 and the time-sync unit 707 are connected to the transmission unit 704. The transmission unit 704 includes two temporary units (TMP UNIT) 705. The transmission unit 704 is connected to an output port 202.

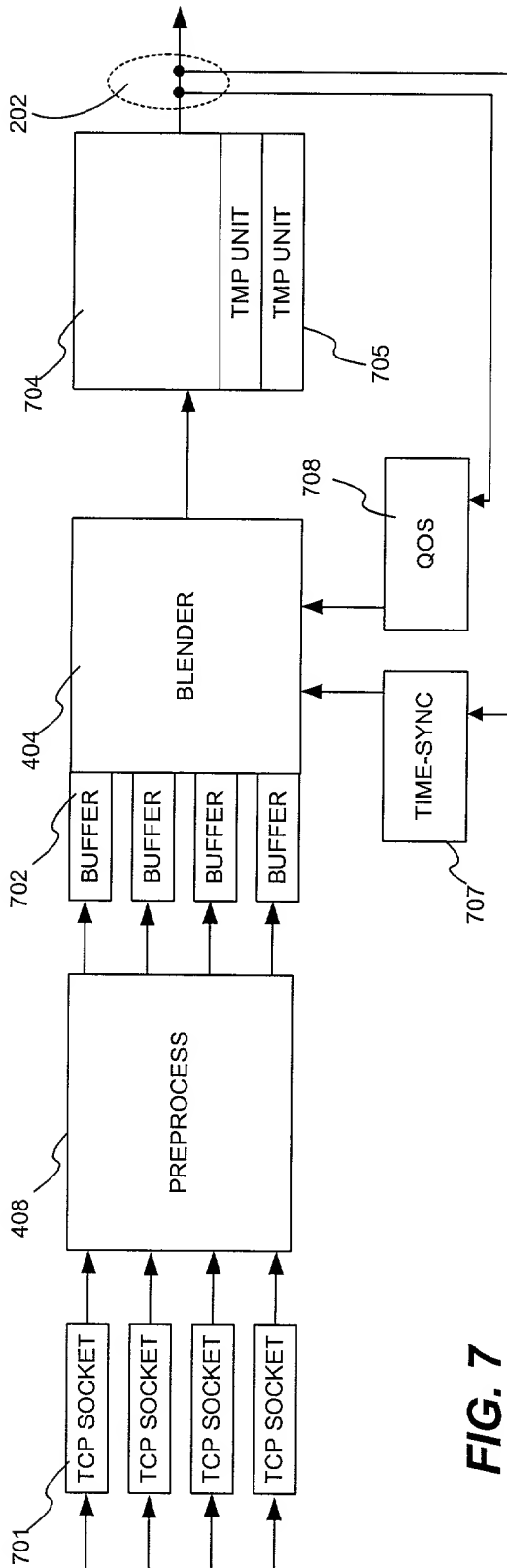


FIG. 7

